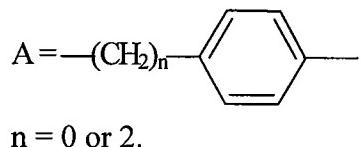


## **IN THE CLAIMS**

This listing of claims replaces all prior versions, and listings, in this application.

Claim 1 (canceled)

2. (previously presented) The compound according to claim 25, wherein:



3. (previously presented) The compound according to claim 2, wherein:

$R_1$  and  $R_2$  are selected from the group consisting of aminoethyl, anilino, 1,3-dihydroxy-2-propyl, and hydroxyethyl; and

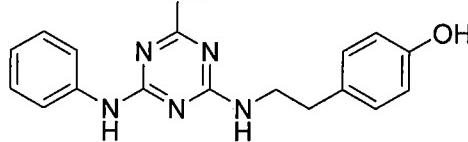
$R_3$  is selected from the group consisting of aminoethoxyethyl, aminophenethyl, anilino, bis(hydroxyethyl), and bis(hydroxyethyl)aminoethyl.

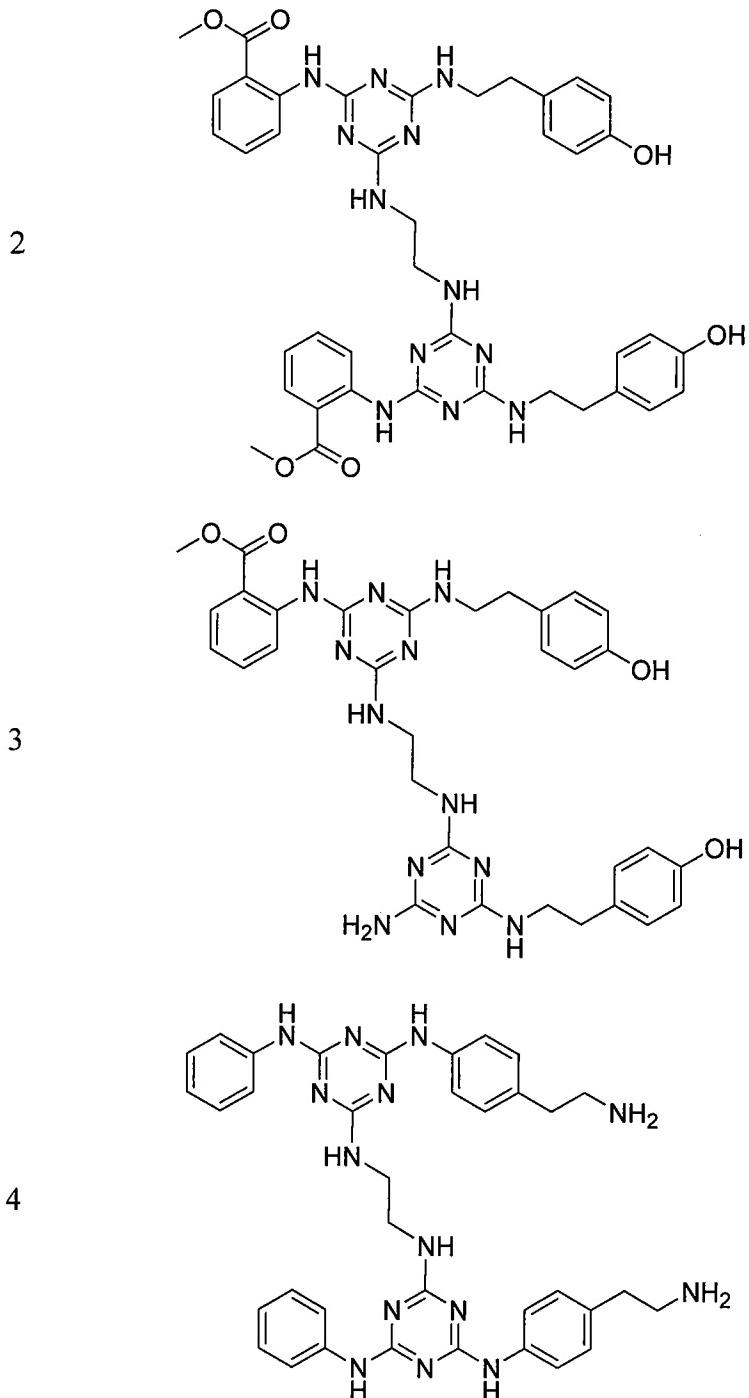
4. (previously presented) The compound according to claim 3, wherein:

$R_1$  is 1,3-dihydroxy-2-propyl or hydroxyethyl; and

$R_2$  is anilino or 1,3-dihydroxy-2-propyl.

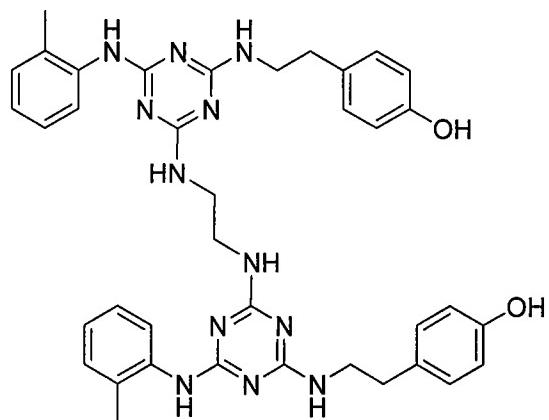
5. (previously presented) A compound selected from the group consisting of:

Compound No.	Structure
1	
2	

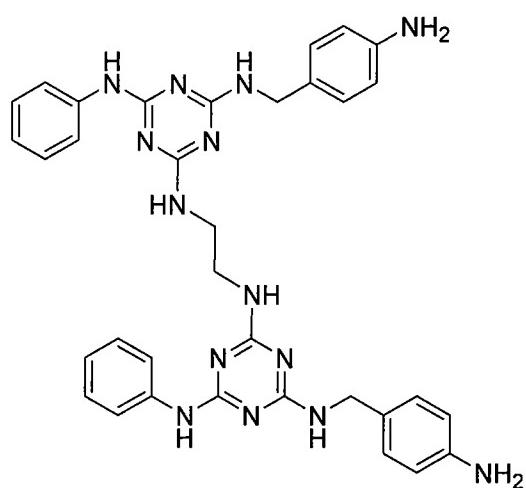
**Compound No.****Structure**

**Compound No.****Structure**

5

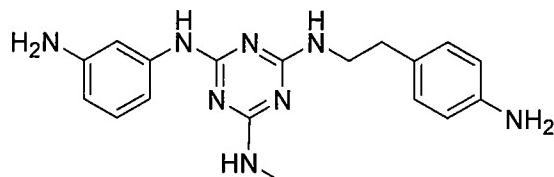


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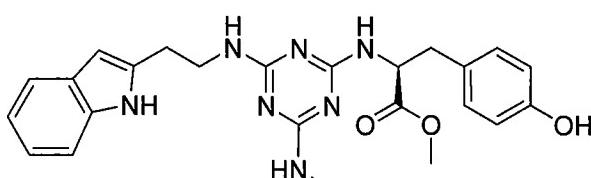


**Compound No.****Structure**

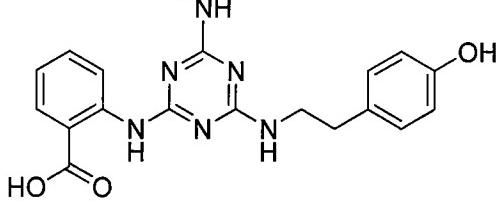
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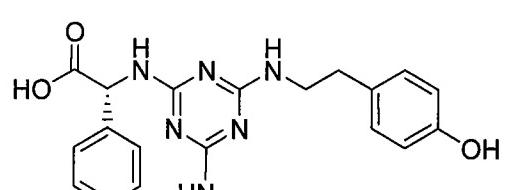
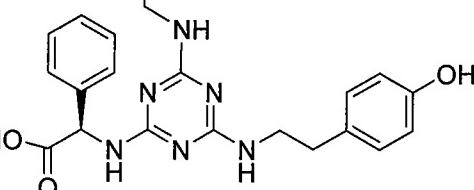
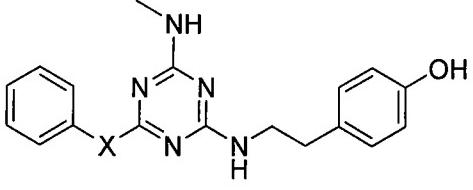
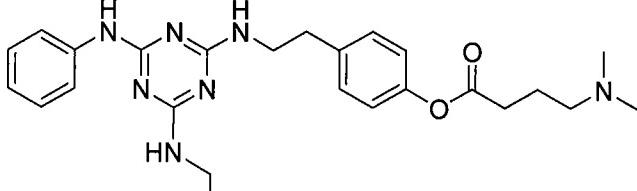
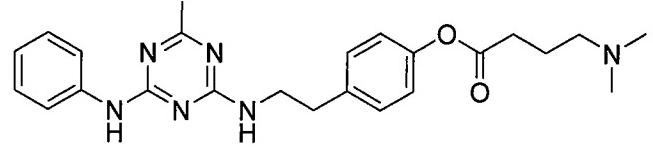


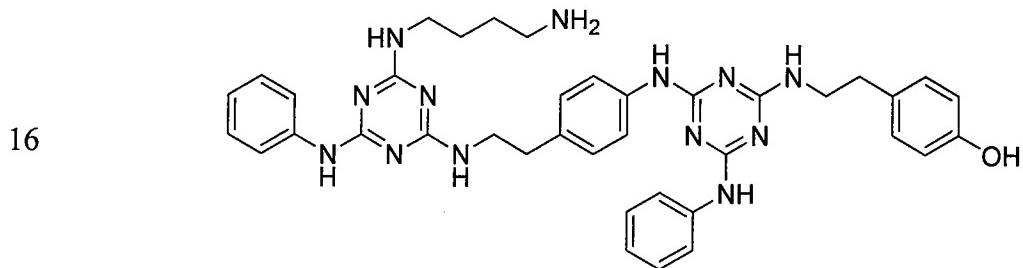
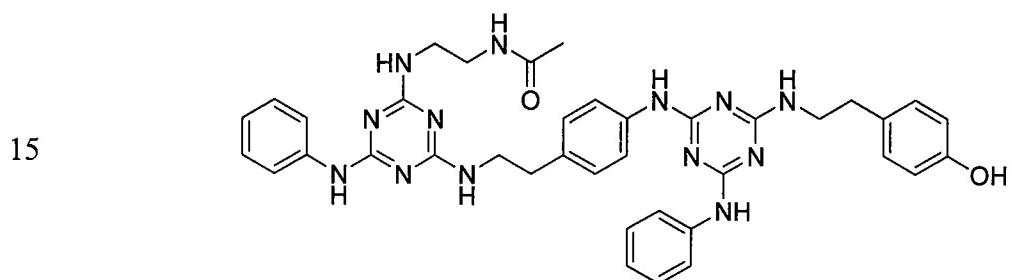
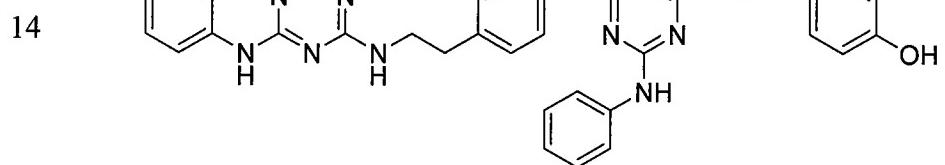
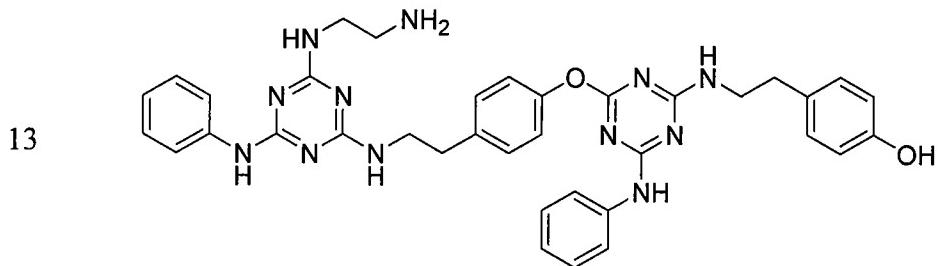
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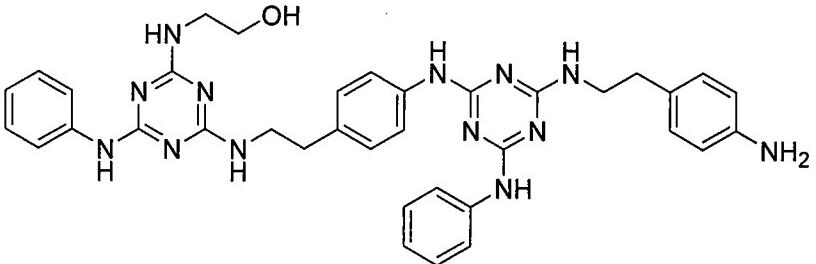
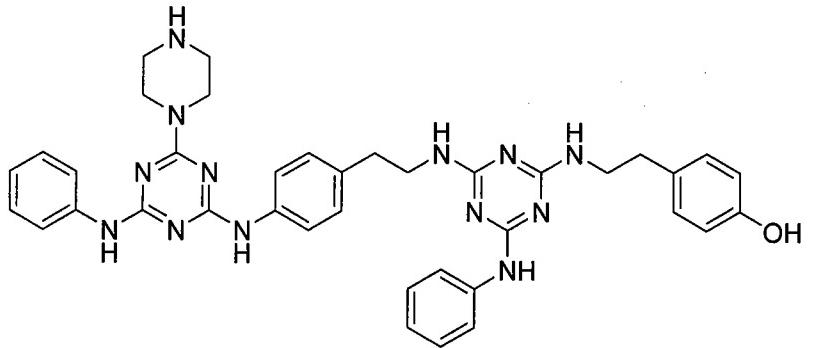
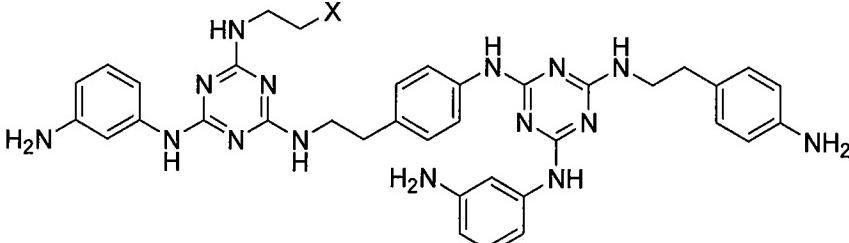
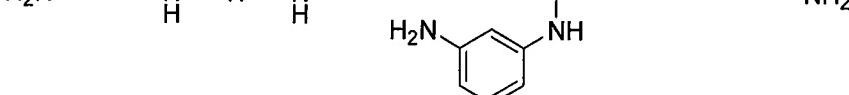
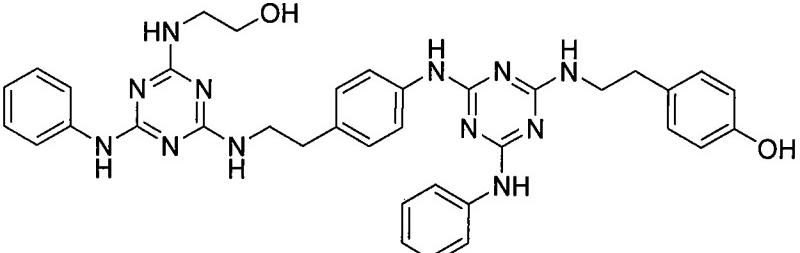


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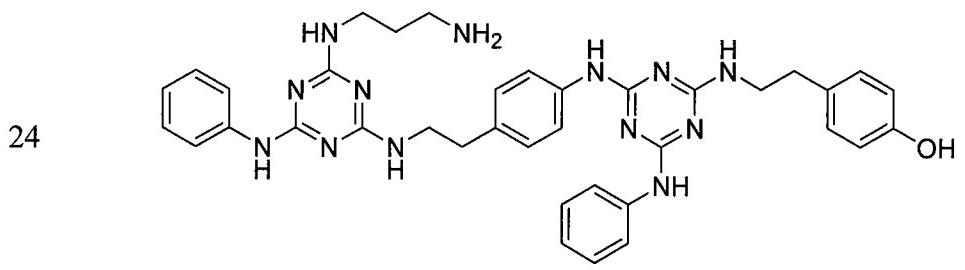
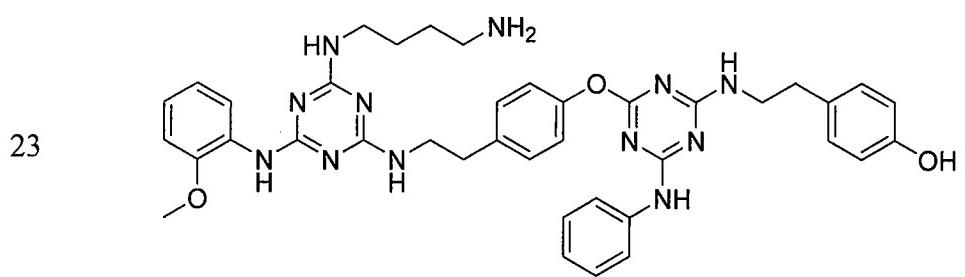
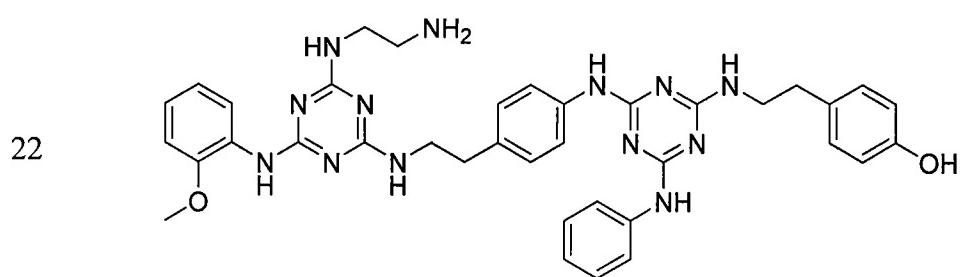
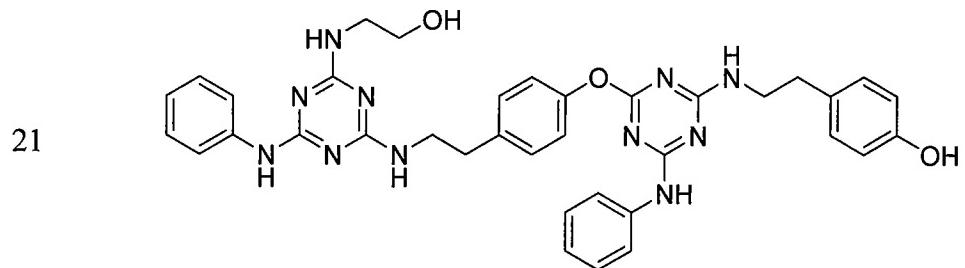


Compound No.	Structure
10	
11a X = O	
11b X = S	
12	
	

**Compound No.****Structure**

Compound No.	Structure
17	
18	
19a X = OH	
19b X = NH <sub>2</sub>	
20	

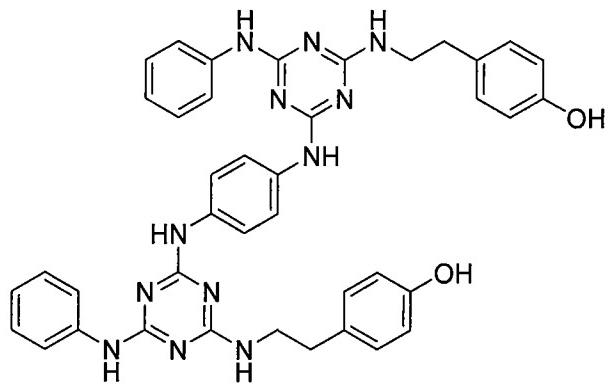
**Compound No.**                   **Structure**



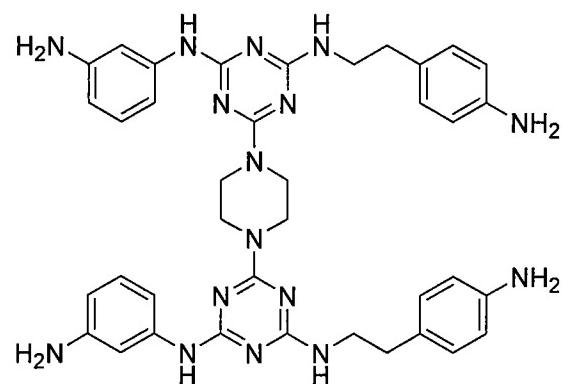
<b>Compound No.</b>	<b>Structure</b>
25	
26	
27	

**Compound No.****Structure**

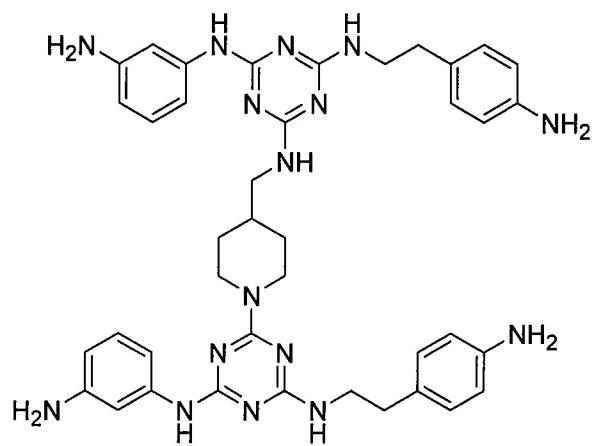
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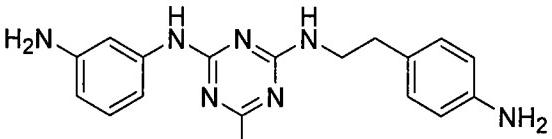
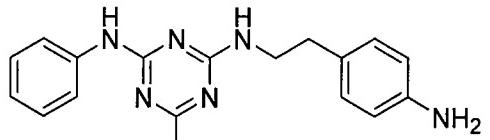
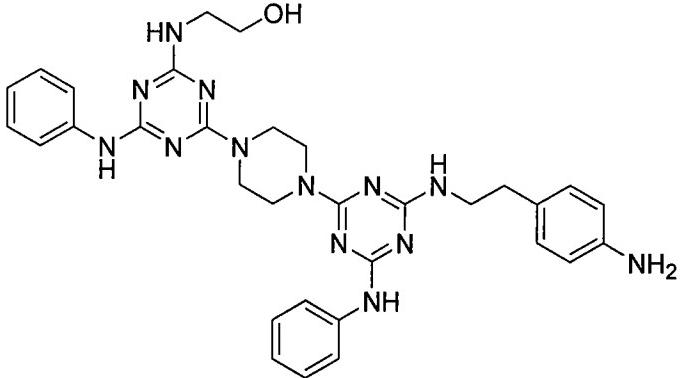


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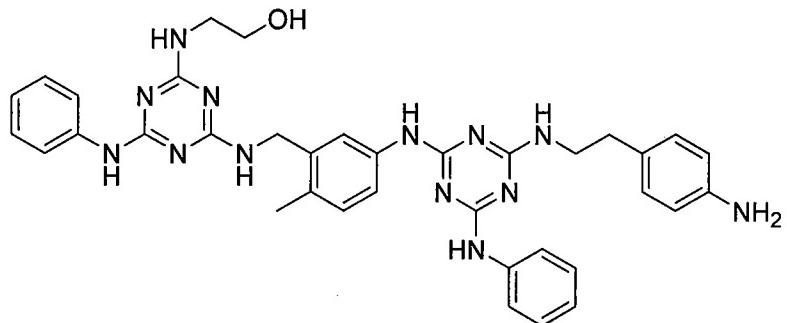
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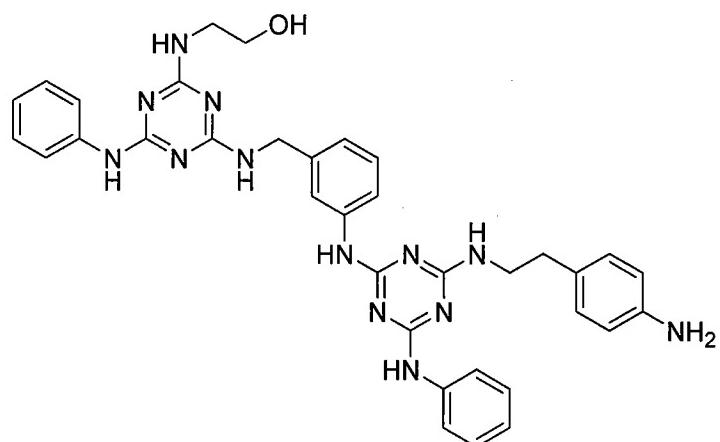
<b>Compound No.</b>	<b>Structure</b>
31	 <p>Chemical structure of compound 31: A purine derivative where the 6-position is substituted with a 4-aminobiphenyl group and the 9-position is substituted with a 4-(4-aminobiphenyl)butylamino group.</p>
32	 <p>Chemical structure of compound 32: A purine derivative where the 6-position is substituted with a 4-aminobiphenyl group and the 9-position is substituted with a 4-(4-aminobiphenyl)propylamino group.</p>
33	 <p>Chemical structure of compound 33: A purine derivative where the 6-position is substituted with a 4-aminobiphenyl group and the 9-position is substituted with a 4-(4-aminobiphenyl)-N-(1-methylpiperidin-4-yl)butylamino group.</p>

**Compound No.****Structure**

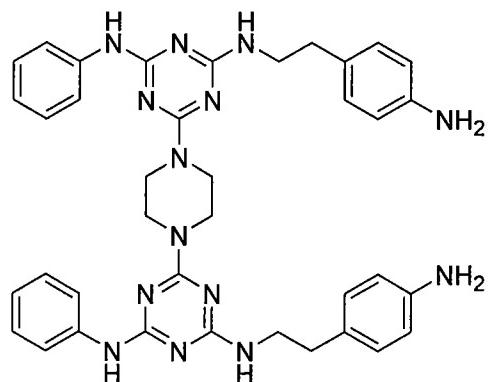
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35

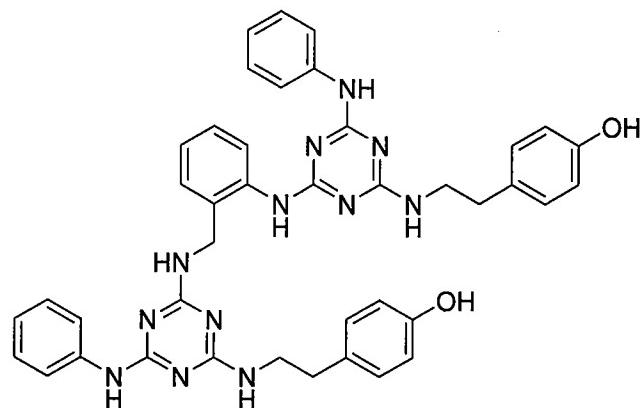


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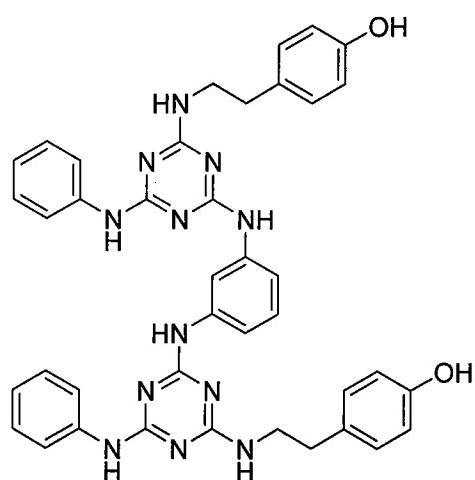


**Compound No.****Structure**

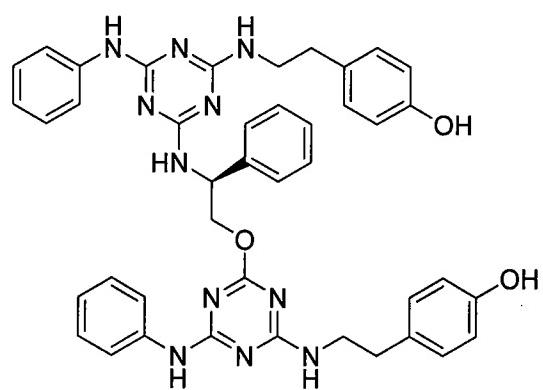
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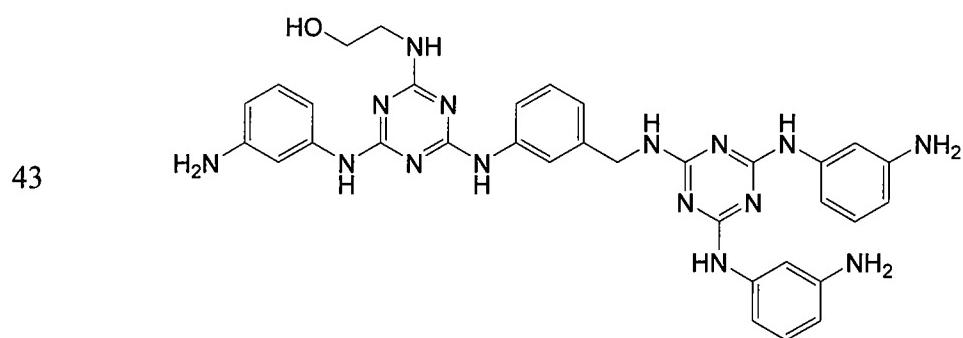
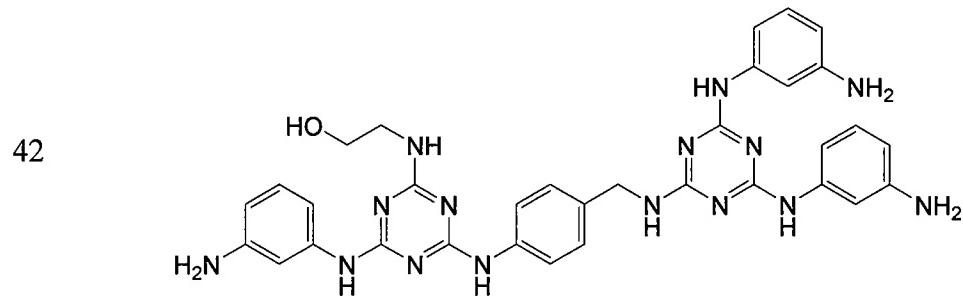
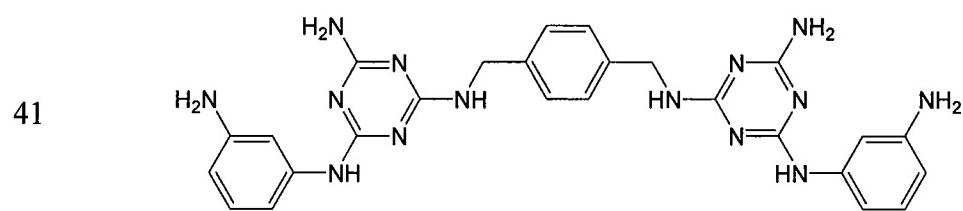
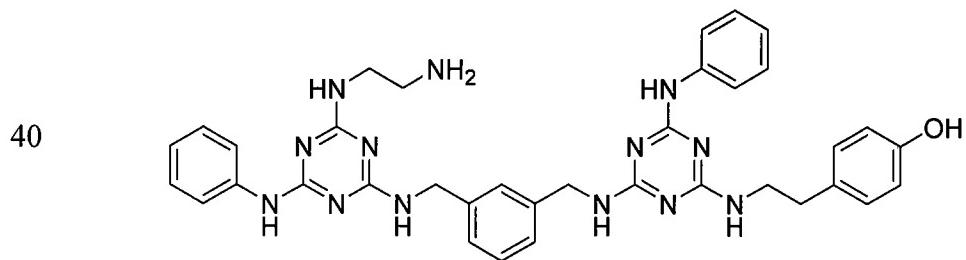


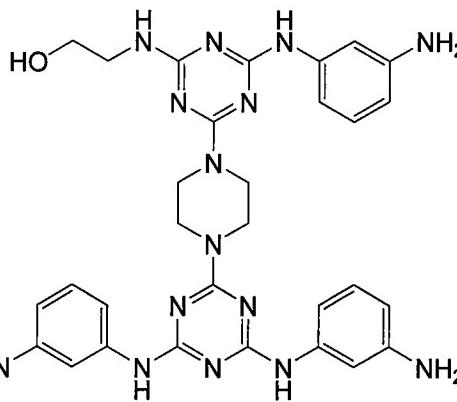
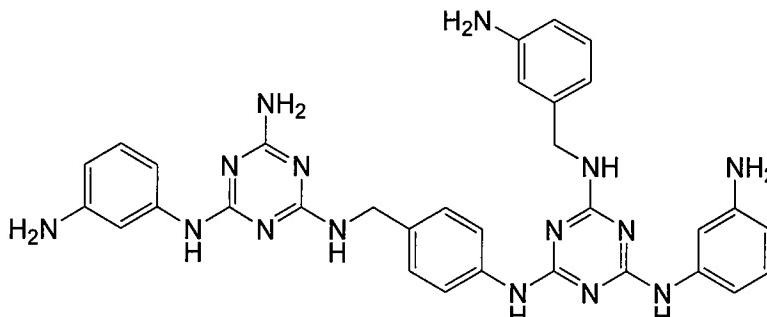
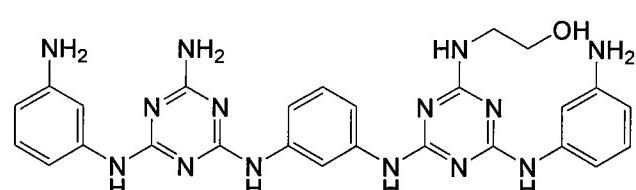
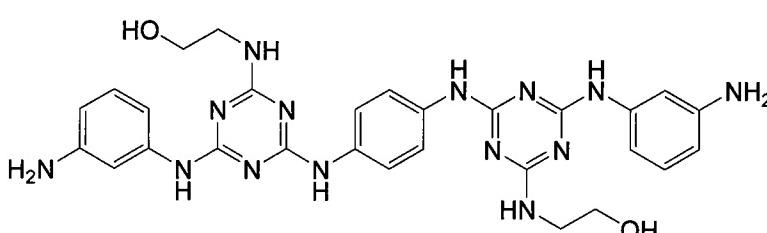
38



39

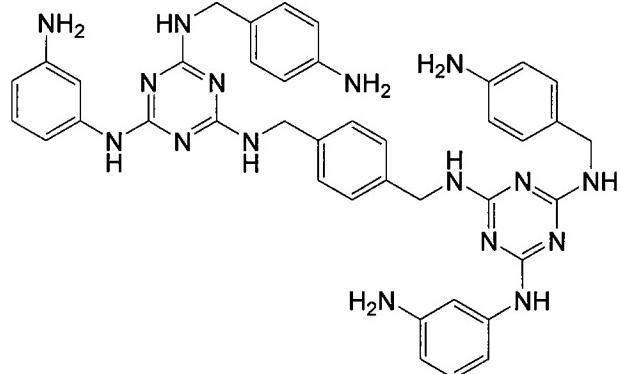


**Compound No.****Structure**

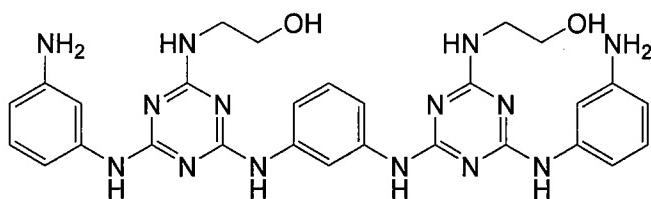
Compound No.	Structure
44	
45	
46	
47	

**Compound No.****Structure**

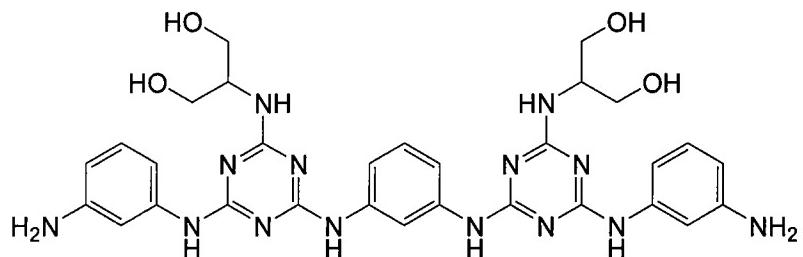
48



49

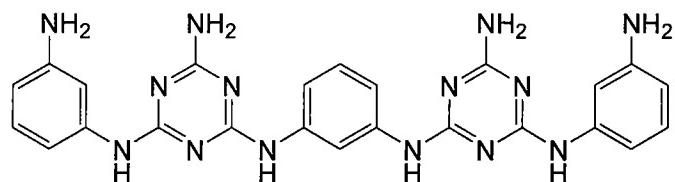


50



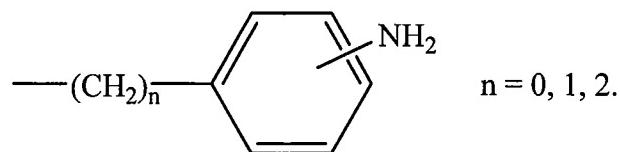
and

51



6. (previously presented) The compound according to claim 25 which can noncovalently bind to antibodies.

7. (previously presented) The compound according to claim 25 which can noncovalently bind to antibodies, wherein one, two, three or all of the substituents R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> is



8. (previously presented) The compound according to claim 6, wherein the antibodies are at least of the human IgG isotype.

9. (previously presented) A composition comprised of one or more compound(s) according to claim 25, wherein said compound(s) is combined with a pharmaceutically acceptable carrier.

10. (original) The composition according to claim 9, wherein said carrier solubilizes said compound in an alcohol or polyol solvent.

11. (original) The composition according to claim 9 further comprised of a recombinant protein which is able to bind to human TNF $\alpha$ .

12. (original) The composition according to claim 11, wherein said recombinant protein is anti-TNF $\alpha$  antibody or soluble TNF $\alpha$  receptor.

13. (original) The composition according to claim 9 further comprised of methotrexate.

14. (original) The composition according to claim 9 further comprised of an anti-inflammatory corticosteroid.

15. (original) The composition according to claim 9 further comprised of a nonsteroidal anti-inflammatory drug.

16. (previously presented) A method of treating a patient with glomerulonephritis, psoriasis, rheumatoid arthritis, or systemic lupus erythematosus comprising administering a therapeutically effective amount of a compound according to claim 25 to said patient.

17. (previously presented) A method of treating a patient with glomerulonephritis, psoriasis, rheumatoid arthritis, or systemic lupus erythematosus comprising administering a therapeutically effective amount of a composition according to claim 9 to said patient, wherein said composition is further comprised of methotrexate, an anti-inflammatory corticosteroid, or a nonsteroidal anti-inflammatory drug.

18. (previously presented) A method of treating a patient with glomerulonephritis, psoriasis, rheumatoid arthritis, or systemic lupus erythematosus comprising administering a therapeutically effective amount of a composition according to claim 11 to said patient.

19. (previously presented) The method of claim 16 further comprising simultaneously administering a therapeutically effective amount of a recombinant protein which is able to bind to human TNF $\alpha$ , wherein said therapeutically effective amount of recombinant protein is reduced in the presence of said compound.

20. (previously presented) The method of claim 16 further comprising separately administering therapeutically effective amount of a recombinant protein which is able to bind to human TNF $\alpha$  before and/or after administration of said compound, but not simultaneous administration.

21. (canceled)

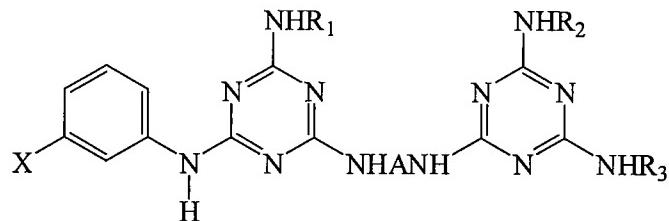
22. (previously presented) A method of removal of human antibodies comprised of circulating blood or other physiological fluid through an apheresis column, wherein one or more compounds according to claim 25 are covalently linked either directly or with an organic linker to an insoluble support material which constitutes part of said apheresis column such that at least some free antibodies and/or antibody-antigen immune complexes are bound thereto; and returning at least some said blood or other physiological fluid, wherein at least some human antibodies have

been removed therefrom, to a patient from whom said blood or other physiological fluid was obtained.

23. (previously presented) A method of purification of antibodies comprised of binding antibodies with one or more compounds according to claim 25 covalently linked either directly or with an organic linker to an insoluble support material such that at least some antibodies are noncovalently bound to said compounds linked to the insoluble support and purifying said antibodies.

24. (previously presented) A method of binding antibody using one or more compounds according to claim 25, comprised of incubating said one or more compounds to bind the antibody and then separating bound antibody from free antibody.

25. (previously presented) A compound of the following formula:

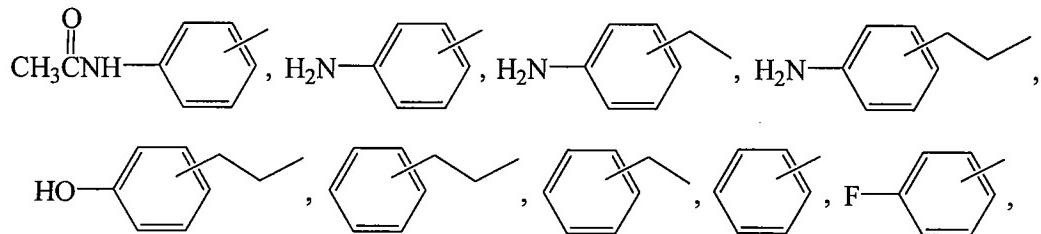


where  $A = -(CH_2)_n - \text{C}_6\text{H}_4 -$        $n = 0-2$ , or

$= -(CH_2)_m -$  ;       $m = 2-4$

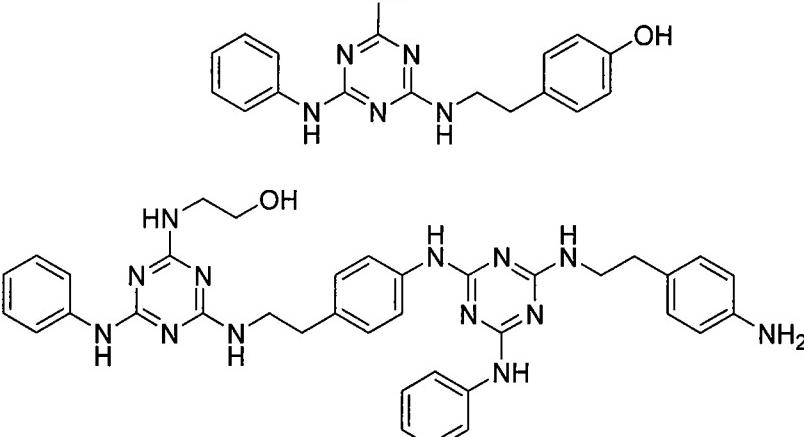
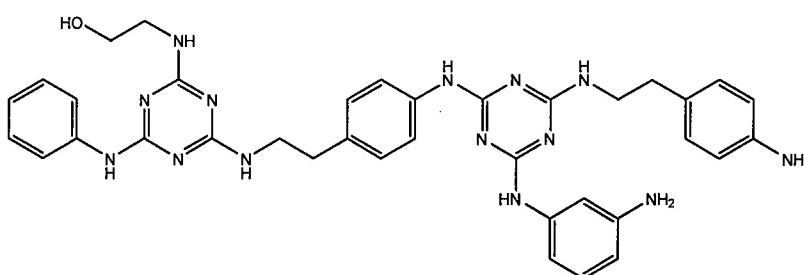
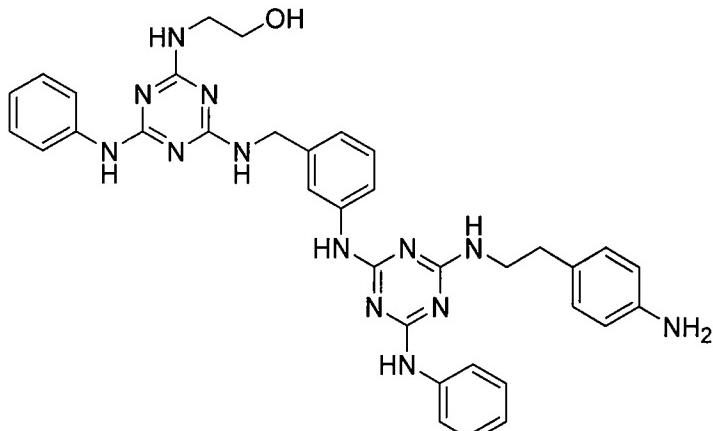
$X = H, F$  or  $NH_2$

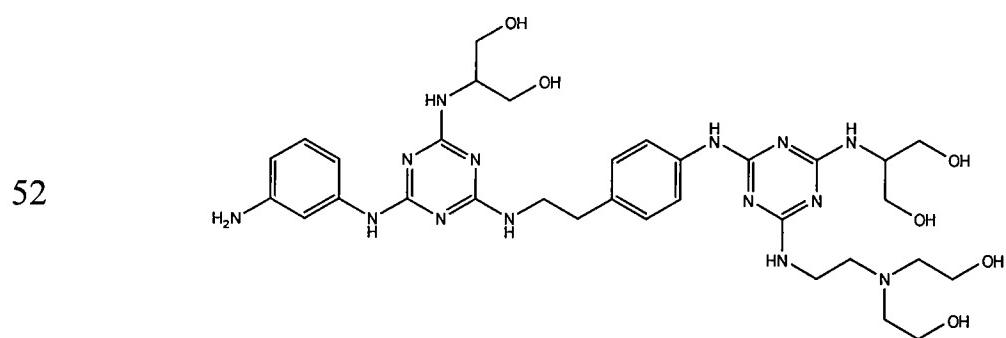
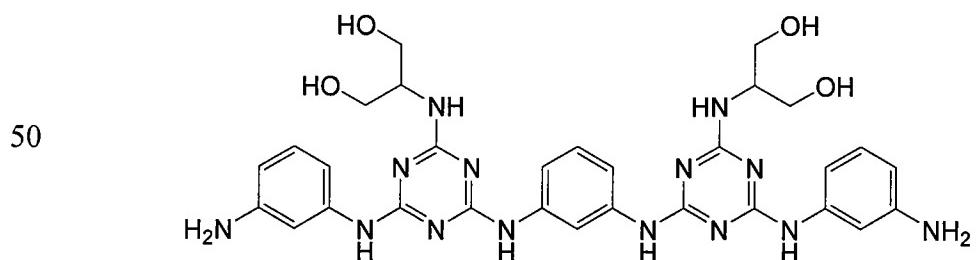
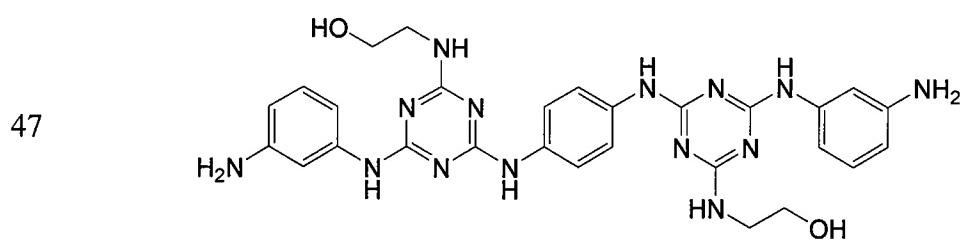
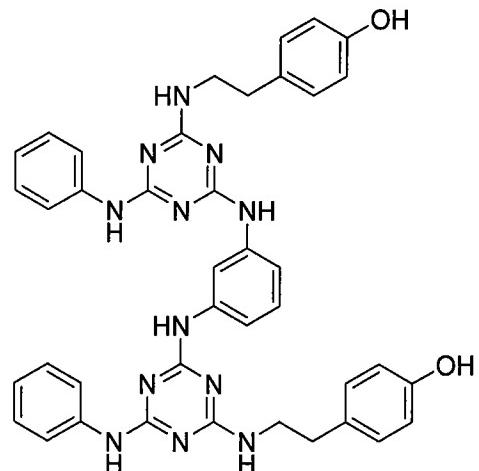
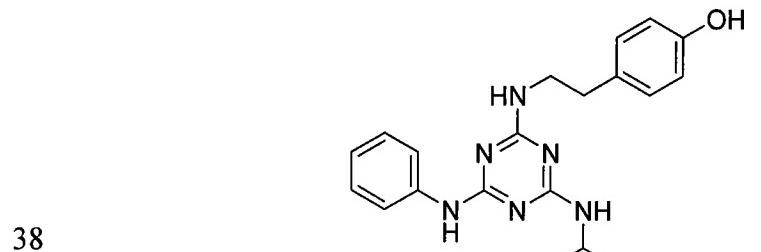
wherein R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> are independently selected from the group consisting of

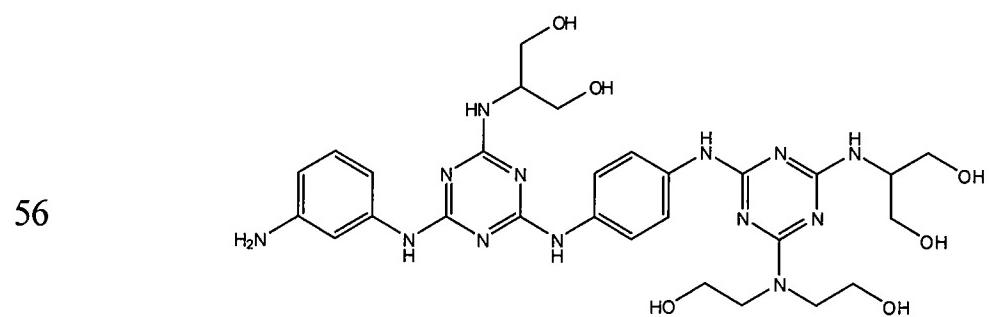
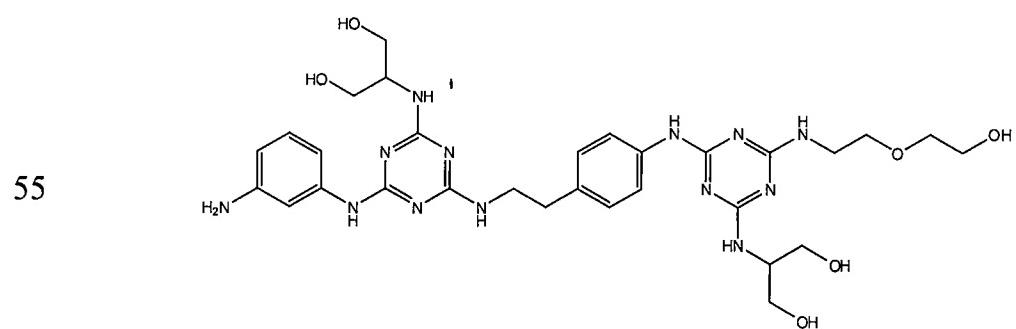
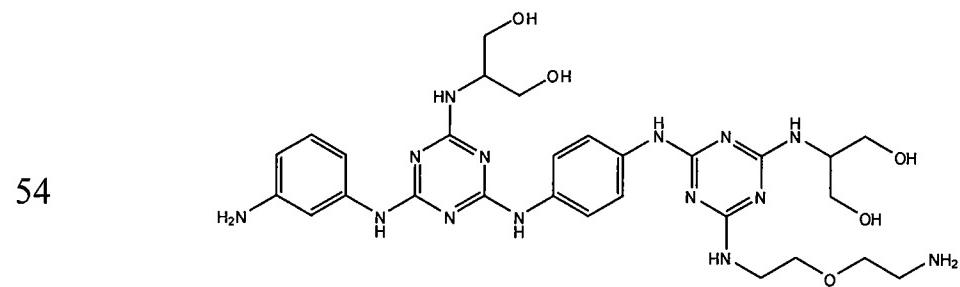
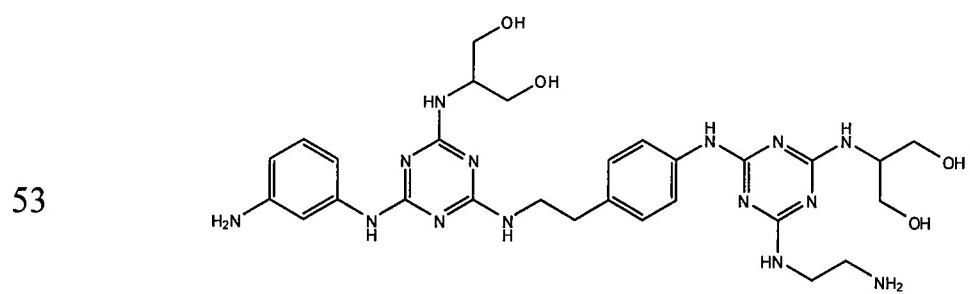


C<sub>2-4</sub> aminoalkyl, aminoethoxyethyl, aminophenethyl, anilino, benzyl, bis(hydroxyethyl), bis(hydroxyethyl)aminoethyl, 1,3-dihydroxy-2-propyl, and C<sub>2-4</sub> hydroxyalkyl.

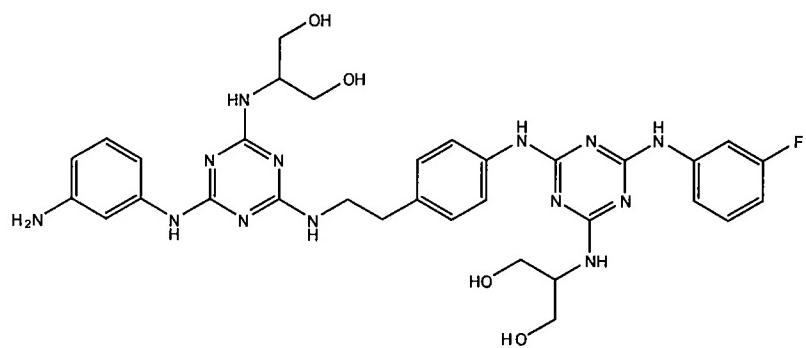
26. (previously presented) A compound selected from the group consisting of:

Compound No.	Structure
1	
17	
19a	
35	

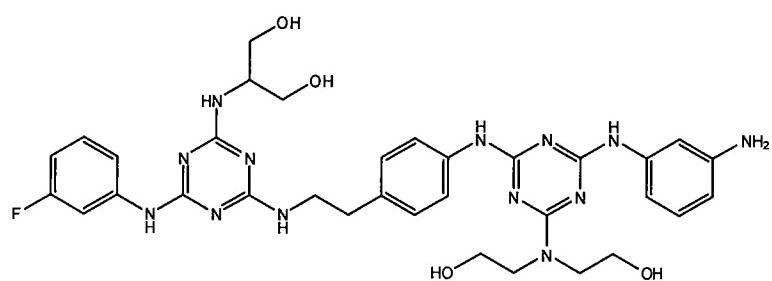




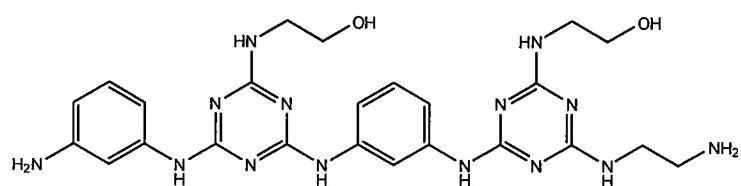
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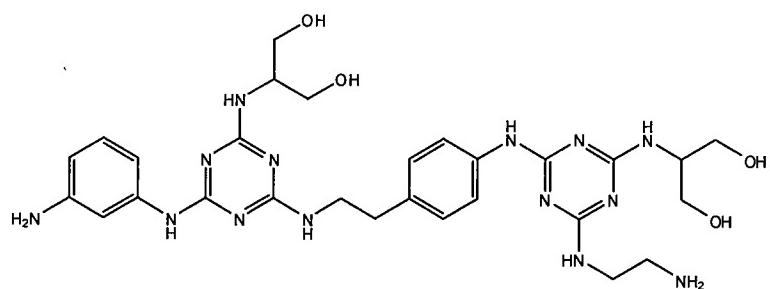
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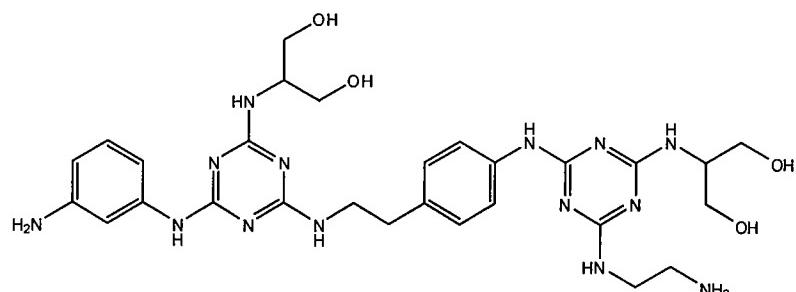
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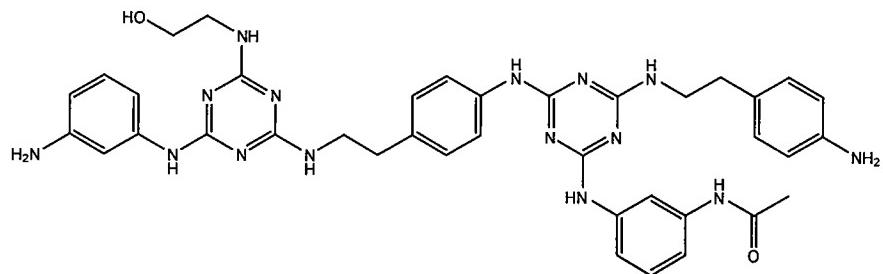
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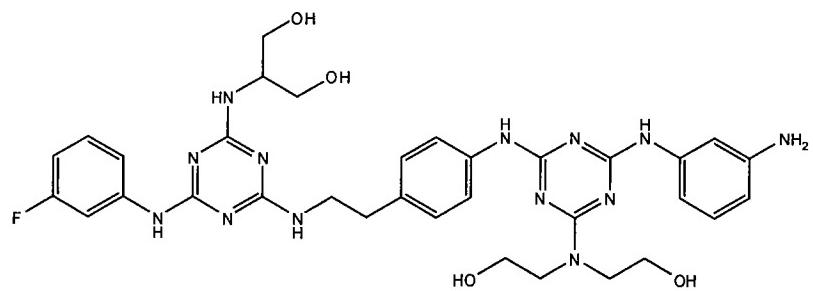
61



62



63



and

64

